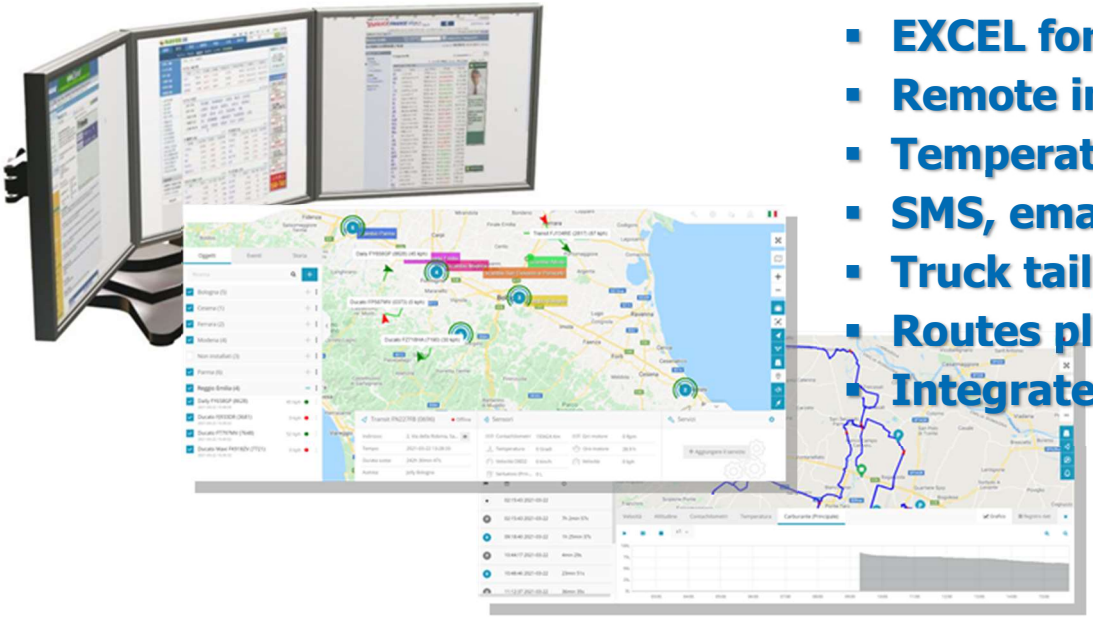
ETERIA

Mobile Tracker

Mobile Tracker is a small GPS locator which simplify and improve your vehicles work **on the road**. Device is always connected to the control room using cellular network. Using mobile app or website you know the **vehicles positions in realtime**, you can see vehicles **routes** and which one is closest to the place of destination.



- **Vehicle position on the map**
- **Historical routes details**
- **Antitheft alarm**
- **EXCEL format reports**
- **Remote immobilizer**
- **Temperature monitoring**
- **SMS, email and push alarm**
- **Truck tailgate alarm**
- **Routes planning**
- **Integrated badge reader**

SCAN ME

ETERIA SRLs
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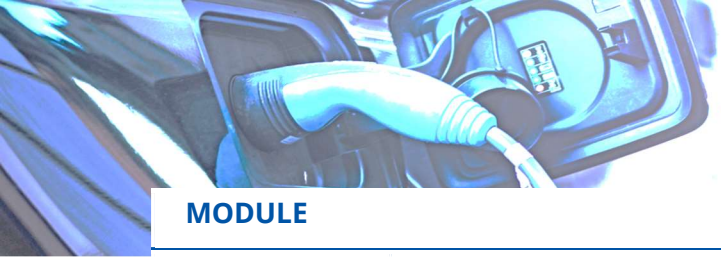

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MODULE

Name	Teltonika TM2500
Technology	GSM/GPRS/GNSS BLUETOOTH

GNSS

GNSS	GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS
Receiver	33 channel
Tracking sensitivity	-165 dBM
Accuracy	< 2.5m CEP
Hot start	< 1 s
Warm start	< 25 s
Cold start	< 35 s

CELLULAR

Technology	GSM
2G bands	Quad-band 850 / 900 1800 / 1900 MHz
Data transfer	GPRS Multi-Slot Class 12 (up to 240 kbps), GPRS Mobile Station Class B
Data support	SMS (text/data)

POWER

Input voltage range	10 - 30 V DC with overvoltage protection
Back-up battery	170 mAh Li-Ion battery 3.7 V (0.63 Wh)
Power consumption	At 12V < 6 mA (Ultra Deep Sleep) At 12V < 8 mA (Deep Sleep) At 12V < 11 mA (Online Sleep) At 12V < 20 mA (GPS Sleep) At 12V < 35 mA (nominal)

BLUETOOTH

Specification	4.0 + LE
Supported peripherals	Temperature and Humidity sensor, Headset, OBDII dongle, Inateck Barcode Scanner, Universal BLE sensors support

INTERFACE

Digital Inputs	3
Digital Outputs	2
Analog Inputs	2
CAN Adapter inputs	1
1-Wire	1
GNSS antenna	Internal High Gain
Cellular antenna	Internal High Gain
USB	2.0 Micro-USB
LED indication	2 status LED lights
SIM	Micro-SIM + eSIM
Memory	128MB internal flash memory

PHYSICAL SPECIFICATION

Dimensions	65 x 56,6 x 18,9 mm (L x W x H)
Weight	55 g

OPERATING ENVIRONMENT

Operating temperature (without battery)	-40 °C to +85 °C
Storage temperature	-40 °C to +85 °C

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(without battery)	
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP41
Battery charge temperature	-0 °C to +45 °C
Battery discharge temperature	-20 °C to +60 °C
Battery storage temperature	-20 °C to +45 °C for 1 month -20 °C to +35 °C for 6 months

FEATURES

Sensors	Accelerometer
Scenarios	Green Driving, Over Speeding detection, Jamming detection, GNSS Fuel counter, DOUT Control Via Call, Excessive Idling detection, Immobilizer, iButton Read Notification, Unplug detection, Towing detection, Crash detection, Auto Geofence, Manual Geofence, Trip
Sleep modes	GPS Sleep, Online Deep Sleep, Deep Sleep, Ultra Deep Sleep
Configuration and firmware update	FOTA Web, FOTA, Teltonika Configurator (USB, Bluetooth), FMBT mobile application (Configuration)
SMS	Configuration, Events, DOUT control, Debug
GPRS commands	Configuration, DOUT control, Debug
Time Synchronization	GPS, NITZ, NTP
Fuel monitoring	LLS (Analog), LV-CAN200, ALL-CAN300, CAN-CONTROL, OBDII dongle
Ignition detection	Digital Input 1, Accelerometer, External Power Voltage, Engine RPM (CAN Adapters, OBDII dongle)

CERTIFICATION & APPROVALS

Regulatory	CE/RED, E-Mark, EAC, RoHS, REACH

MARKET SECTORS

Transport

Maintenance

Emergency services

Craftsman

Public administration

Rent

Sales men

Software House

Special vehicles

Insurance

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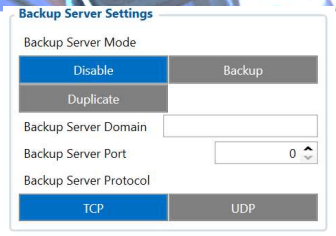
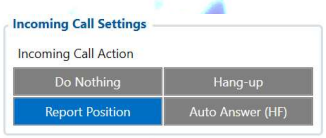
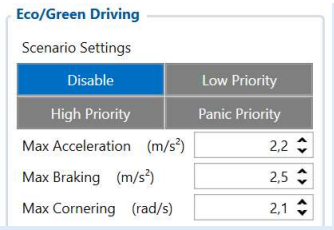
FEATURES



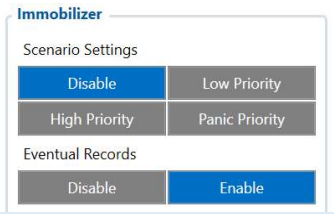
All devices can send data to the main server and also to the backup server for safety.



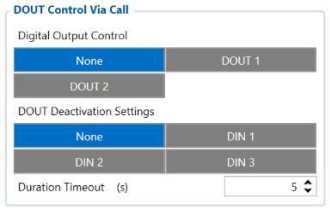
Allows to set a specific action in case of a call to the GPS SIM card



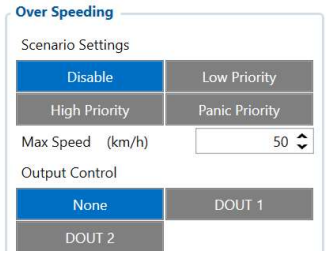
In case of driver expensive driving, by setting some basic parameters it is possible to receive an alarm



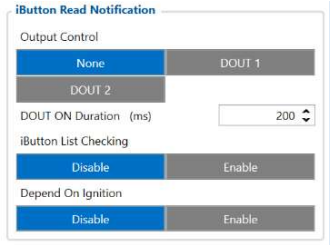
Device can control vehicle's starter motor activation (anti-theft)



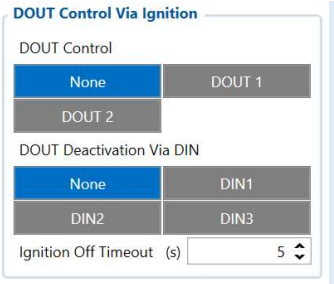
Customizable to activate a digital output in case of a phone call to your SIM. Example: engine starter turn off



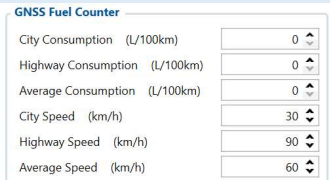
It sends an alarm or activates a digital output in case of overspeed



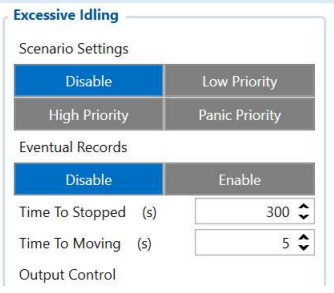
It recognizes magnetic keys and can be configured to allow ignition only if the key is correct



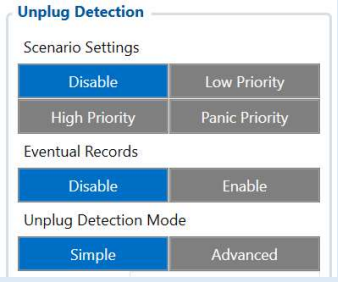
Activates a digital output when the vehicle is turned on (example: automatic flashing activation)



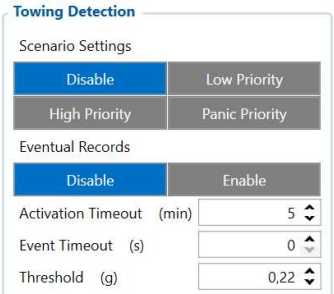
A configurable algorithm allows to calculate fuel consumption using GPS, without a tank probe



Alarm sending in case of excessive vehicle idling



Send an alarm in case the GPS is disconnected without authorization



It sends an alarm when the vehicle is removed and raised

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Crash Detection

Scenario Settings

Disable	Low Priority
High Priority	Panic Priority

Duration (ms) 5

Threshold (mg) 1500

Send SMS To

SMS Text Crash

Alarm in case of an vehicle accident or crash

Auto Geofence

Scenario Settings

Disable	Low Priority
High Priority	Panic Priority

Eventual Records

Disable	Enable

Generate Event

Available set up of many geofence areas to receive alarms in case of entry or exit from them

Auto Connect To External Device

Connection Mode

None	Hands Free
OBDII	Data Link
Inateck Scanner	User ID

External MAC 001DA568988B

External Name OBDII

External PIN 1234

Bluetooth is available to connect the GPS to OBD2 probes, audio call, serial data transmission, etc

Beacon Settings

Beacon Detection

Disabled	All
Configured	

Beacon Record

Eventual	Periodic

The GPS can interface bluetooth beacon devices

iButton List

1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0

A list of enabled electronic keys can be programmed and authorized

I/O

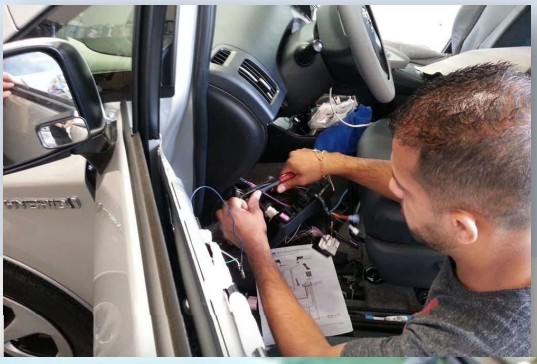
Input Name	Units	Priority	
Ignition		None	Low
Movement		None	Low
Data Mode		None	Low
GSM Signal		None	Low
Sleep Mode		None	Low
GNSS Status		None	Low

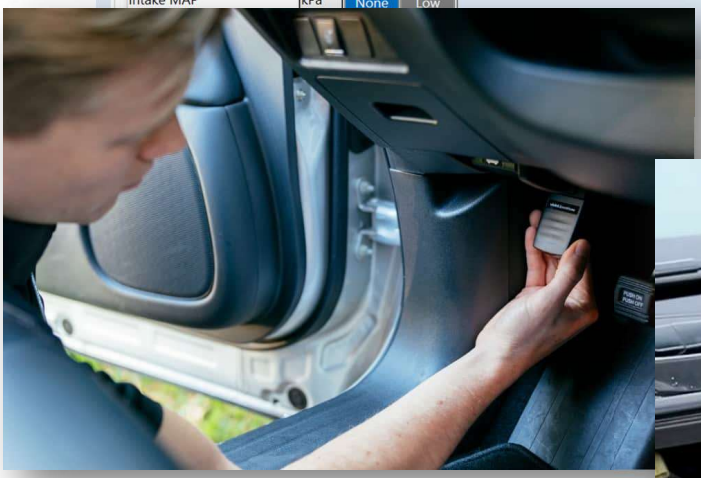
Many I/O parameters values can be sent to the server (eg: battery voltage, GSM signal, etc.)

OBD II

Input Name	Units	Priority	
Number Of DTC		None	Low
Engine Load	%	None	Low
Coolant Temperature	°C	None	Low
Short Fuel Trim	%	None	Low
Fuel Pressure	kPa	None	Low
Intake MAP	kPa	None	Low

Device can be connected to ODB2 probes using bluetooth to read the vehicle's diagnostic info





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